

Preliminary to the examination thereof, please make the following amendments in the above-referenced patent application.

IN THE SPECIFICATION:

- Page 1, line 12, delete "Pneumococcal" and substitute therefor --Pneumococcal --,
line 26, after "al." insert -- --;
- Page 2, line 19, delete S. and substitute therefor --*Streptococcus*--,
line 22, delete "molecles" and substitute therefor --molecules--;
- Page 3, line 6, delete "*Streptococcus*" and substitute therefor --S.--,
line 8, after "sickle cell", insert -- anemia --;
- Page 4, line 11, delete "*Streptococcus*" and substitute therefor --S.--,
line 13, after "make" insert --an--,
line 17, delete "*Haemophilus*" and substitute therefor --H.--;
- Page 5, line 2, delete "vaccine type",
- Page 6, line 14, delete "diagnosis" and substitute therefor --diagnoses--,
line 20, delete "molecles" and substitute therefor --molecules--,
line 28, delete "comrprising" and substitute therefor --comprising--,
after "nucleic" insert --acid--;
- Page 7, line 5, delete "molecles" and substitute therefor --molecules--,
line 13, "comrprising" and substitute therefor --comprising--,
after "nucleic" insert --acid--;
- Page 10, line 3, remove the space after "such as" and before ",",
line 17, delete "polymerase chain reaction" and substitute therefor
--PCR--,
line 23, delete "homolgy" and substitute therefor --homology--;
- Page 11, line 16, after "CA)." Delete ".,",
line 22, after "Res. 25" delete "," and substitute therefor --:--;

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line 31, delete "Nucleic Acids Res." and substitute therefor --Nucl. Acids Res."

underline "11";

Page 12, line 1, delete ""Progressive sequence alignment as a prerequisite to correct phylogenetic trees,""

line 2, delete "of" and delete ""Fast and sensitive multiple",

line 3, delete "sequence alignment on a microcomputer,""

line 4, delete ""Cluster W: improving the sensitivity of progressive multiple sequence",

line 5, delete entire line,

line 6, delete "Nucleic Acid Res." and substitute therefor --Nucl. Acids Res.--,

delete ""A",

line 7, delete "comprehensive set of sequence analysis program for the VAX,""

delete "Nucl. Acids Res." And substitute therefor --Nucl. Acids Res.--;

Page 13, line 2, delete "immungenic" and substitute therefor --immunogenic--,

line 6, delete "immungenic" and substitute therefor --immunogenic--;

Page 14, line 13, delete "schmatic" and substitute therefor --schematic--,

line 14, after "within" insert --the--,

line 15, after "helix," insert --the--,

line 17, delete "Fig. 2" and substitute therefor --Figs. 2A to 2D--,

delete "shows" and substitute therefor --show--,

delete "NOS:" and substitute therefor -- NOS: 1 to 13--,

line 18, delete "included" and substitute therefor "include",

line 24, delete the second and fourth occurrences of "),"";

Page 15, line 1, delete "3" and substitute therefor --3A to 3B--,

delete "shows" and substitute therefor --show--,

line 3, after "program)" insert --(SEQ ID NO: 14)--,

line 19, delete "5" and substitute therefor --5A to 5B--,
delete "shows" and substitute therefor --show--,
after "region" insert --(SEQ ID NOs: 15-52)--,
line 26, delete "Fig. 8" and substitute therefor --Figs. 8A-8E--,
delete "shows" and substitute therefor --show--,
delete "NOS:" and substitute therefor --NOs: 53 and 54--;

Page 16,

line 1, delete "Fig. 9" and substitute therefor --Figs. 9A-9E--,
delete "shows" and substitute therefor --show--,
line 2, delete "NOS:" and substitute therefor --NOs: 55 and 56--,
line 4, delete "Fig. 10" and substitute therefor --Figs. 10A-10E--,
delete "shows" and substitute therefor --show--,
line 7, delete "shows" and substitute therefor --show--,
delete "Fig. 11" and substitute therefor --Figs. 11A-11E--,
line 8, delete "NOS:" and substitute therefor --NOs: 59 and 60--,
line 11, delete "NOS:" and substitute therefor --NOs: 57 and 58--,
line 24, delete "Fig. 13" and substitute therefor --Figs. 13A-13C--,
delete "shows" and substitute therefor --show--,
delete "NOS:" and substitute therefor -- NOs: 61-67--;

Page 17,

line 5, delete "Fig. 15" and substitute therefor --Figs. 15A-15C--,
delete "shows" and substitute therefor --show--,
delete "NOS:" and substitute therefor --NOs: 68 and 69--,
lines 7 and 8, delete "Figs. 16-21 show the DNA sequences (SEQ ID
NOS:) of PspCs from strains E134, D39, BG9163, BG8090, L81905, and
DBL6a, respectively" and substitute therefor -- Figs. 16-21 show the DNA
sequences of PspCs from strains E134 (SEQ ID NO: 70), D39 (SEQ ID
NO: 71), BG9163 (SEQ ID NO: 72), BG8090 (SEQ ID NO: 73), L81905
(SEQ ID NO: 74), and DBL6a (SEQ ID NO: 75).--,
line 12, delete "*Streptococcus*" and substitute therefor --S.--;

Page 18,

line 5, delete "pneumococci" and substitute therefor --Pneumococci--,
line 21, insert --- after "family",

Page 19,

Page 20,

Page 24,

line 25, delete "immungenic" and substitute therefor --immunogenic--,

line 29, delete "immungenic" and substitute therefor --immunogenic--;

line 20, delete "pneumococci" and substitute therefor --Pneumococci--;

line 4, delete the second occurrence of "and";

line 1, insert --;-- after each patent number,

line 2, insert --;-- after each patent number,

delete ""Applications of pox",

line 3, delete "virus vectors to vaccinations: An update,""

delete "PNAS" and substitute therefor --Proc. Natl. Acad. Sci.--,

delete "October",

insert --:-- after "1996",

line 4, delete entire line,

delete "PNAS" and substitute therefor --Proc. Natl. Acad. Sci.--,

line 5, delete "October",

insert --;-- after "1996",

line 6, insert --;-- after "baculovirus)",

line 7, insert --;-- after "Inc.)",

delete ""Production of",

line 8 delete "Huma Beta Interferon in Insect Cells Infected with a
Baculovirus Expression Vector,""

line 9, delete "Dec.,",

delete ""Strong and",

line 10, delete entire line,

line 11, delete "vector,""

delete "Mar.",

delete "," after "573 and substitute therefor --;--,

line 12, delete "," after "1986" and substitute therefor --;--,

delete "," after "265785" and substitute therefor --;--,

line 13, delete "," after "herpesvirus)" and substitute therefore --;--,

delete ""The function of herpes simplex",

line 14, delete "virus genes: A primer for genetic engineering of novel vectors,""

delete "PNAS" and substitute therefor --Proc. Natl. Acad. Sci.--,

line 15, delete "October",

delete "," after "1996" and substitute therefor --;--,

delete ""The application of genetically engineered herpes simplex",

line 16, delete "viruses to the treatment of experimental brain tumors,""

delete "PNAS" and substitute therefor --Proc. Natl. Acad. Sci.--,

line 17, delete "October",

delete "," after "1996" and substitute therefor --;--,

delete ""Epstein-Barr virus vectors for gene delivery to B lymphocytes,""

delete "PNAS" and substitute therefor --Proc. Natl. Acad. Sci.--,

line 18, delete "October",

delete "," after "1996" and substitute therefor --;--,

delete ""Alphavirus-based expression vectors:"

line 19, delete "Strategies and applications,""

delete "October",

delete "," after "1996" and substitute therefor --;--,

line 20, delete "," after "adenovirus)" and substitute therefor --;--,

line 22, delete "," after "1993" and substitute therefor --;--,

delete "," after "3861-65" and substitute therefor --;--,

delete "April"

delete "," after 1990 and substitute therefor --;--,

line 23, after "Gen" insert --.--,

delete "," after "429-434" and substitute therefor --;--,

line 24, delete "," after "2550-2561" and substitute therefor --;--,

delete "," after "1993" and substitute therefor --;--,

delete "and",

- delete ““Immunization with DNA”,
line 25, delete entire line,
line 26, delete “immunity in animal models of herpes simplex virus 2
disease,””,
line 27, delete “October”,
delete “,” after “1996” and substitute therefor --;--,
after “Nos” add --.--.
delete “,” after “5,591,639” and substitute therefor --;--,
delete “,” after “5,589,466” and substitute therefor --;--;
- Page 26, line 6, delete “pneumococci” and substitute therefor --Pneumococci--,
delete “gram” and substitute therefor --Gram--,
line 16, delete “pneumococci” and substitute therefor --Pneumococci--,
line 28, delete “.” and substitute therefor --.--,
line 30, delete “pneumococci” and substitute therefor “Pneumococci”;
- Page 27, line 19, delete “And” and substitute therefor --and--,
line 29, delete “*Escherichia*” and substitute therefor --*E.*--;
- Page 28, line 5, after the first occurrence of “NO:” insert --76-- and after the second
occurrence of “NO:” insert --77--,
line 11, delete “over hangs” and substitute therefor --overhangs--,
line 18, delete “-” and substitute therefor --.--,
line 18, delete “coil” and substitute therefor --Coil--,
line 18, add “the” after --by--,
line 19, delete “sequence” and substitute therefor --sequences--,
line 24, delete “refrence” and substitute therefor --reference--,
line 24, delete “.” and substitute therefor --.--;
- Page 32, line 12, delete “dihydroflavate” and substitute therefor --dihydrofolate--,
line 14, delete “*Escherichia*” and substitute therefor --*E.*--;
- Page 33, line 7, delete the second occurrence of “region”;
- Page 34, line 27, delete “tween” and substitute therefor “Tween”--;
- Page 41, line 9, delete “eliciting” and substitute therefor -- eliciting--,